

Title (en)  
CARTON AND CARTON BLANK COMPRISING A HANDLE STRUCTURE

Title (de)  
KARTON UND KARTONZUSCHNITT

Title (fr)  
CARTON ET ÉBAUCHE DE CARTON

Publication  
**EP 3169602 A1 20170524 (EN)**

Application  
**EP 15795062 A 20150619**

Priority  
• US 201462025144 P 20140716  
• US 2015036573 W 20150619

Abstract (en)  
[origin: WO2016032601A1] A handle structure (H1, H2) for a carton includes a pair of adjoining hand flaps (42A, 42B) hingedly connected to a handle panel (26A, 26B) by a pair of hinged connections (41A, 41B). Each hinged connection has a longitudinal axis disposed at an acute angle ( $\alpha+\beta$ ) with respect to the vertical (N2). The longitudinal axes of the hinged connections define an obtuse angle ( $\lambda$ ) therebetween and extending divergently downwards.

IPC 8 full level  
**B65D 71/36** (2006.01); **B65D 5/468** (2006.01)

CPC (source: EP US)  
**B65D 5/0227** (2013.01 - US); **B65D 5/4608** (2013.01 - EP US); **B65D 71/36** (2013.01 - EP US); **B65D 2571/00141** (2013.01 - US); **B65D 2571/0045** (2013.01 - EP US); **B65D 2571/00574** (2013.01 - US); **B65D 2571/0066** (2013.01 - EP US); **B65D 2571/00722** (2013.01 - EP US); **B65D 2571/00728** (2013.01 - US)

Citation (search report)  
See references of WO 2016032601A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2016032601 A1 20160303**; CA 2955162 A1 20160303; EP 3169602 A1 20170524; EP 3169602 B1 20190515; MX 2017000649 A 20170427; TW 201604093 A 20160201; US 2017197770 A1 20170713

DOCDB simple family (application)  
**US 2015036573 W 20150619**; CA 2955162 A 20150619; EP 15795062 A 20150619; MX 2017000649 A 20150619; TW 104120905 A 20150629; US 201515326092 A 20150619